

IN THE CLAIMS:

1. and 2. (Canceled)

3. (Previously Presented) An adsorbent structure comprising:  
a honeycomb structure having a periphery and two ends,  
including a plurality of passages that are defined by partition  
walls and extend in an axial direction between the ends; and

a composition including (a) high-silica zeolite having a Si/Al  
atomic ratio of not less than 40 and an alkali metal content of  
0.1% by weight or less and (b) a heat-resistant oxide other than  
zeolite, wherein said high-silica zeolite in said adsorbent  
structure has a BET specific surface area after a heat treatment of  
1,100°C of at least 30 m<sup>2</sup>/g, said heat-resistant oxide is loaded  
with a noble metal, and said composition is coated on the partition  
walls.

4. (Canceled)

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5. (Previously Presented) The adsorbent structure of claim 3, wherein the zeolite and the heat-resistant oxide loaded with a noble metal form a mixture.

6. (Previously Presented) The adsorbent structure of claim 5, wherein the zeolite is loaded with a noble metal.

7. to 11. (Canceled)

12. (Previously Presented) The adsorbent structure of claim 3, wherein said zeolite is loaded with a noble metal.

13. (Canceled)

14. (Previously Presented) The adsorbent structure of claim 3, wherein said heat resistant oxide comprises a material selected from the group consisting of  $\text{Al}_2\text{O}_3$ ,  $\text{TiO}_2$ ,  $\text{ZrO}_2$  or  $\text{SiO}_2$ .

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15. (Previously Presented) The adsorbent structure of claim 3, wherein said high-silica zeolite in said adsorbent structure is not poisoned by water present in exhaust gas.

16. (Previously Presented) The adsorbent structure of claim 3, wherein the ratio of (a) to (b) ranges from 10:90 to 85:15.

17. (Canceled)

18. (Previously Presented) The adsorbent structure of claim 3, wherein said high-silica zeolite in said adsorbent structure has a BET specific surface area after a heat treatment of 1,100°C of from 30 to 350 m<sup>2</sup>/g.

19. (Withdrawn) A process for treating exhaust gases comprising passing said exhaust gases through an adsorbent structure of claim 3 to remove hydrocarbons therefrom.

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20. (New) The adsorbent structure of claim 3, wherein said high-silica zeolite in said adsorbent structure has a Si/Al atomic ratio of not less than 40 to 1,000.

21. (New) The adsorbent structure of claim 3, wherein said high-silica zeolite in said adsorbent structure is an H type zeolite.